LESSON 1.3

NAME _____ DATE _____

Practice A

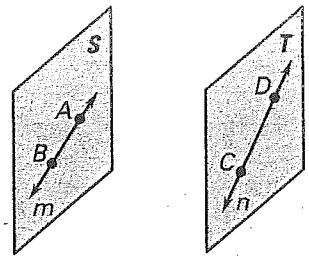
For use with pages 14–20

Complete the statement.

1. Through any two points there is exactly one ___?___.
2. Through any three points not on a line there is exactly one ___?___.
3. Points that lie on the same line are ___?___.
4. Points that lie on the same plane are ___?___.

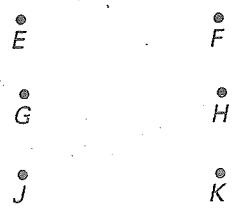
Use the diagram at the right.

5. Name two points.
6. Name two lines.
7. Name two planes.
8. Name a point on line m.
9. Name a point not on plane S.



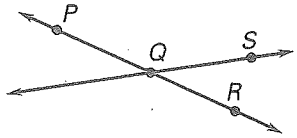
In Exercises 10–12, use the diagrams.

10. Draw $\overleftrightarrow{EF}$ or $\overleftrightarrow{FE}$.
11. Draw $\overline{GH}$ or $\overline{HG}$.
12. Draw $\overrightarrow{JK}$.

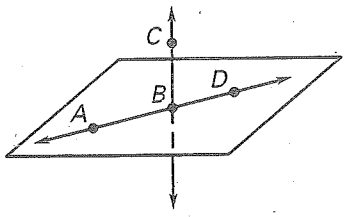


Name three points that are collinear and three points that are not collinear.

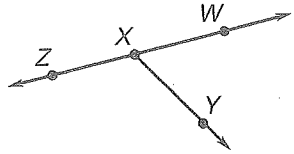
13.



14.

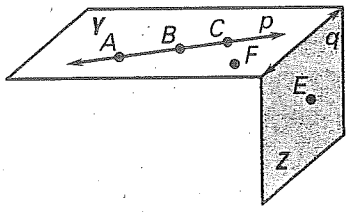


15.



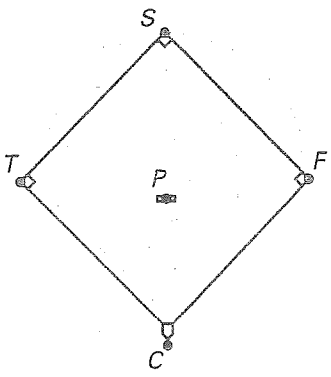
Use the diagram at the right.

16. Name four points that are coplanar.
17. Name two lines that are coplanar.



Use the diagram at the right of a baseball diamond with points that correspond to a team's player positions.

18. Name two line segments that contain point P.
19. Name three points that are on the same line.



Lesson 1.3

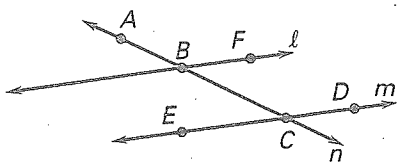
LESSON 1.3

NAME _____ DATE _____

Practice B

For use with pages 14–20

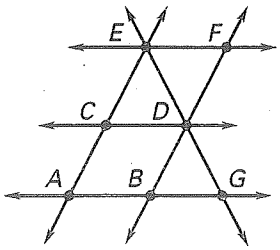
Use the diagram at the right to determine whether the statement is *true* or *false*.



1. Point A lies on line m.
2. Point F lies on line ℓ.
3. B, C, and D are collinear.
4. E, C, and D are collinear.
5. A, B, and F are coplanar.
6. A, B, C, and D are collinear.
7. $\overrightarrow{CD}$ and $\overrightarrow{CE}$ are coplanar.
8. $\overrightarrow{BF}$ and $\overrightarrow{BC}$ are coplanar.

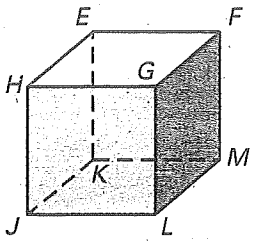
Name a point that is collinear with the given points.

9. E and D
10. C and A
11. D and B
12. B and G
13. A and E
14. D and F



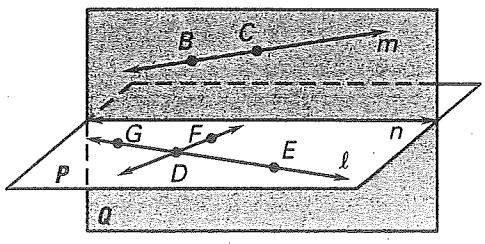
Name a point that is coplanar with the given points.

15. J, K, and L
16. J, K, and E
17. F, G, and H
18. F, G, and L
19. E, K, and M
20. J, L, and G



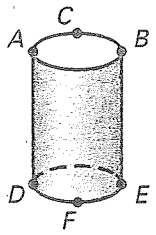
Use the diagram at the right.

21. Name three points that are collinear.
22. Name four points that are coplanar.
23. Name two lines that are coplanar.
24. Name three points that are not collinear.
25. Name four points that are not coplanar.
26. Name two lines that are not coplanar.



Use the drawing of an oil barrel shown at the right.

27. How many planes are represented by surfaces of the barrel? Use the labeled points to name the planes.
28. Do points A, B, D, and E appear to be coplanar? Explain.
29. Do points B, C, E, and F appear to be coplanar? Explain.



Lesson 1.3